

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/829,603	
			Applicant Teck Kheng Lee			
			Filing Date April 22, 2004		Group Art Unit 2812 Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBG	4,807,021	02/1989	Okumura	—	—	
SBG	5,347,159	09/1994	Khandros et al.	—	—	
SBG	5,366,794	11/1994	Nakao	—	—	
SBG	5,385,869	01/1995	Liu et al.	—	—	
SBG	5,386,341	01/1995	Olson et al.	—	—	
SBG	5,397,921	03/1995	Kamezos	—	—	
SBG	5,409,865	04/1995	Kamezos	—	—	
SBG	5,422,205	06/1995	Inoue et al.	—	—	
SBG	5,438,477	08/1995	Pasch	—	—	
SBG	5,448,511	09/1995	Paurus et al.	—	—	
SBG	5,504,277	04/1996	Danner	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	APPLICANT	CLASS	SUBCLASS	Translation	
						YES	NO
SBG	WO 99/65282	12/1999	Eide	—	—		
SBG	JP 2002-028702/04	09/1999	Katsumasa	—	—		
SBG	JP 2000-183082	06/2000	Hitachi Ltd.	—	—		

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
SBG		U. S. Patent Application entitled MICROELECTRONIC DEVICES AND METHODS OF MANUFACTURE, filed August 30, 2001, Serial No. 09/944,465.
SBG		ISAAK, H. et al., "Development of Flex Stackable Carriers" IEEE Electronic Components and Technology Conference, 2000 Proceedings 50th, 5/21/2000-5/24/2000, Las Vegas, NV, USA, pp. 378-84, IEEE Catalog No: 00CH37070.
SBG		Copy of Australian Patent Office, Search Report, 30 May 2003, 4 pages.

EXAMINER <div style="text-align: center; font-size: 1.5em;">ASB</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em;">2-1-06</div>
--	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/ 829, 603	
		Applicant Teck Kheng Lee			
		Filing Date April 22, 2004		Group Art Unit 2812 Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBG	5,598,033	01/1997	Behlen et al.	—	—	
SBG	5,646,446	07/1997	Nicewarner, Jr. et al.	—	—	
SBG	5,663,530	09/1997	Schueller et al.	—	—	
SBG	5,668,405	09/1997	Yamashita	—	—	
SBG	5,674,785	10/1997	Akram et al.	—	—	
SBG	5,697,148	12/1997	Lance, Jr. et al.	—	—	
SBG	5,710,071	01/1998	Beddingfield et al.	—	—	
SBG	5,719,449	02/1998	Strauss	—	—	
SBG	5,721,151	02/1998	Padmanabhan et al.	—	—	
SBG	5,739,585	04/1998	Akram et al.	—	—	
SBG	5,747,982	05/1998	Dromgoole et al.	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER 	DATE CONSIDERED 2-1-06
---------------------	---

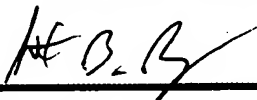
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10 / 829, 603	
				Applicant Teck Kheng Lee			
				Filing Date April 22, 2004		Group Art Unit 2812 Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBC	5,752,182	05/1998	Nakatsuka et al.	—	—	
SBC	5,758,413	06/1998	Chong et al.	—	—	
SBC	5,798,285	08/1998	Bentlage et al.	—	—	
SBC	5,798,567	08/1998	Kelly et al.	—	—	
SBC	5,805,422	09/1998	Otake et al.	—	—	
SBC	5,818,113	10/1998	Iseki et al.	—	—	
SBC	5,834,338	11/1998	Takeda et al.	—	—	
SBC	5,834,366	11/1998	Akram	—	—	
SBC	5,834,848	11/1998	Iwasaki	—	—	
SBC	5,835,355	11/1998	Dordi	—	—	
SBC	5,843,808	12/1998	Kamezos	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER 	DATE CONSIDERED 2-1-06
---	----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/829,603	
			Applicant Teck Kheng Lee			
			Filing Date April 22, 2004		Group Art Unit Unknown 2812	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SOG	5,844,168	12/1998	Schueller et al.	—	—	
SOG	5,866,953	02/1999	Akram et al.	—	—	
SOG	5,886,408	03/1999	Ohki et al.	—	—	
SOG	5,891,753	04/1999	Akram	—	—	
SOG	5,898,224	04/1999	Akram	—	—	
SOG	5,973,389	10/1999	Culnane et al.	—	—	
SOG	5,973,404	10/1999	Akram et al.	—	—	
SOG	5,977,640	11/1999	Bertin et al.	—	—	
SOG	5,982,030	11/1999	MacIntyre	—	—	
SOG	5,984,691	11/1999	Brodsky et al.	—	—	
SOG	5,990,545	11/1999	Schueller et al.	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER HO. B.	DATE CONSIDERED 2-1-06
------------------------	-------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) 2269-4974.2US (00-0693.02/US)	Application Number Not Yet Assigned 10/829,603
	Applicant Teck Kheng Lee	
	Filing Date April 22, 2004	Group Art Unit Unknown ²⁸¹²

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBG	5,991,161	11/1999	Samaras et al.	—	—	
SBG	6,005,776	12/1999	Holman et al.	—	—	
SBG	6,008,543	12/1999	Iwabuchi	—	—	
SBG	6,011,694	01/2000	Hirakawa	—	—	
SBG	6,013,948	01/2000	Akram et al.	—	—	
SBG	6,020,629	02/2000	Farnworth et al.	—	—	
SBG	6,024,584	02/2000	Lemke et al.	—	—	
SBG	6,027,346	02/2000	Sinsheimer et al.	—	—	
SBG	6,028,365	02/2000	Akram et al.	—	—	
SBG	6,034,427	03/2000	Lan et al.	—	—	
SBG	6,039,889	03/2000	Zhang et al.	—	—	

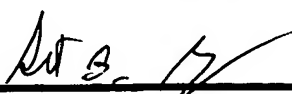
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER



DATE CONSIDERED

2-1-06

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/824,603	
			Applicant Teck Kheng Lee			
			Filing Date April 22, 2004		Group Art Unit 2812 Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SB6	6,040,630	03/2000	Panchou et al.	—	—	
SB6	6,050,832	04/2000	Lee et al.	—	—	
SB6	6,057,178	05/2000	Galuschki et al.	—	—	
SB6	6,060,782	05/2000	Ohsono et al.	—	—	
SB6	6,064,114	05/2000	Higgins, III	—	—	
SB6	6,072,233	06/2000	Corisis et al.	—	—	
SB6	6,074,897	06/2000	Degani et al.	—	—	
SB6	6,075,710	06/2000	Lau	—	—	
SB6	6,079,991	06/2000	Lemke et al.	—	—	
SB6	6,093,035	07/2000	Lemke et al.	—	—	
SB6	6,116,921	09/2000	Scholz et al.	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/							

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
/		
/		
/		
/		
/		

EXAMINER <div style="text-align: center; font-size: 1.5em;">SB. 13</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em;">2-1-06</div>
---	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/829,603	
Applicant Teck Kheng Lee		Filing Date April 22, 2004		Group Art Unit Unknown ²⁸¹²	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SDG	6,124,631	09/2000	Cardot et al.	—	—	
SBG	6,127,736	10/2000	Akram	—	—	
SDG	6,137,062	10/2000	Zimmerman	—	—	
SBG	6,137,164	10/2000	Yew et al.	—	—	
SBG	6,137,183	10/2000	Sako	—	—	
SBG	6,157,541	12/2000	Hacke	—	—	
SDG	6,165,885	12/2000	Gaynes et al.	—	—	
SBG	6,172,422 B1	01/2001	Chigawa et al.	—	—	
SDG	6,179,598 B1	01/2001	Brand	—	—	
SBG	6,191,487 B1	02/2001	Rodenbeck et al.	—	—	
SBG	6,208,521 B1	03/2001	Nakatsuka	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/							

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
/		
/		
/		
/		

EXAMINER KB. J	DATE CONSIDERED 2-1-06
---	---

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/824,603	
				Applicant Teck Kheng Lee			
				Filing Date April 22, 2004		Group Art Unit Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBG	6,212,768 B1	04/2001	Murakami	—	—	
SBG	6,214,156 B1	04/2001	Takano et al.	—	—	
SBG	6,218,202 B1	04/2001	Yew et al.	—	—	
SBG	6,219,911 B1	04/2001	Estes et al.	—	—	
SBG	6,221,763 B1	04/2001	Gilton et al.	—	—	
SBG	6,225,688 B1	05/2001	Kim et al.	—	—	
SBG	6,229,711 B1	05/2001	Yoneda	—	—	
SBG	6,262,895 B1	07/2001	Forthun	—	—	
SBG	6,291,775 B1	09/2001	Saitoh	—	—	
SBG	6,294,455 B1	09/2001	Ahn	—	—	
SBG	6,300,679 B1	10/2001	Mukerji et al.	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/							

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
/			
/			
/			

EXAMINER hob. h	DATE CONSIDERED 2-1-06
------------------------	-------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number Not Yet Assigned 10/829,603	
			Applicant Teck Kheng Lee			
			Filing Date April 22, 2004		Group Art Unit Unknown 2812	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SBG	6,310,288 B1	10/2001	Moden	—	—	
SBG	6,323,060 B1	11/2001	Isaak	—	—	
SBG	6,413,102 B2	07/2002	Jiang et al.	—	—	
SBG	6,429,516 B1	08/2002	Tsunoi	—	—	
SBG	6,432,737 B1	08/2002	Webster	—	—	
SBG	2002/0167092 A1	11/2002	Fee et al.	—	—	
SBG	6,489,687 B1	12/2002	Hashimoto	—	—	
SBG	6,492,737 B1	12/2002	Imasu et al.	—	—	
SBG	6,518,677 B1	02/2003	Capote et al.	—	—	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/							

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER SBG	DATE CONSIDERED 2-1-06
---------------------	-------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number	10/829,603
Filing Date	April 22, 2004
First Named Inventor	Teck Kheng Lee
Group Art Unit	2823- 2 812
Examiner Name	Unknown
Attorney Docket Number	2269-4974.2US (00-0693.02/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SOB		US-3,239,496	03/1966	Jursich	
SOB		US- 4,074,342	02/1978	Honn et al.	
SOB		US- 4,818,728	04/1989	Rai et al.	
SOB		US- 5,148,265	09/1992	Khandros et al.	
SOB		US- 5,346,861	09/1994	Khandros et al.	
SOB		US- 5,404,044	04/1995	Booth et al.	
SOB		US- 5,468,681	11/1995	Pasch	
SOB		US- 5,489,804	02/1996	Pasch	
SOB		US- 5,679,977	10/1997	Khandros et al.	
SOB		US- 5,683,942	11/1997	Kata et al.	
SOB		US - 5,742,100	04/1998	Schroeder et al.	
SOB		US - 5,777,391	07/1998	Nakamura et al.	
SOB		US - 5,821,624	10/1998	Pasch	
SOB		US - 5,905,303	05/1999	Kata et al.	
SOB		US - 6,022,761	02/2000	Gruppen-Shemansky et al.	
SOB		US - 6,048,755	04/2000	Jiang et al.	
SOB		US - 6,133,637	10/2000	Hikita et al.	
SOB		US - 6,177,723	01/2001	Eng et al.	
SOB		US - 6,217,343	04/2001	Okuno	
SOB		US - 6,222,265	04/2001	Akram et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SOB		EP 684644	11/1995	Kata et al.		
SOB		EP 1009027	06/2000	Okuno		
SOB		KR 2001054744	07/2001	Choi et al. (English Abstract)		x

Examiner
SignatureDate
Considered

2-1-06

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

Application Number	10/829,603
Filing Date	April 22, 2004
First Named Inventor	Teck Kheng Lee
Group Art Unit	2823 2812
Examiner Name	Unknown
Attorney Docket Number	2269-4974.2US (00-0693.02/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SBG		US - 6,232,666	05/2001	Corisis et al.	
SBG		US - 6,242,932	06/2001	Hembree	
SBG		US - 6,265,775	07/2001	Seyyed	
SBG		US - 6,291,265	09/2001	Mess	
SBG		US - 6,295,730	10/2001	Akram	
SBG		US - 6,338,985	01/2002	Greenwood	
SBG		US - 6,468,831	10/2002	Leong et al.	
SBG		US - 6,482,676	11/2002	Tsunoi et al.	
SBG		US - 6,489,676	12/2002	Taniguchi et al.	
SBG		US - 6,515,324 B2	02/2003	Shibuya et al.	
SBG		US - 6,586,830 B2	07/2003	Saito	
SBG		US - 6,714,418	03/2004	Frankowsky et al.	
SBG		US - 6,744,122	06/2004	Hashimoto	
SBG		US - 6,756,251	06/2004	Lee	
SBG		US - 6,791,195	09/2004	Urushima	
SBG		US - 2002/0045611 A1	04/2002	Abrams et al.	
SBG		US - 2002/0079594 A1	06/2002	Sakurai	
SBG		US - 2002/0142513 A1	10/2002	Fee et al.	
SBG		US - 2002/0185661 A1	12/2002	Kawanobe et al.	
SBG		US - 2003/0134450 A1	07/2003	Lee	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner
Signature

K.B. B

Date
Considered

2-1-06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known

Application Number	10/829,603
Filing Date	April 22, 2004
First Named Inventor	Teck Kheng Lee
Group Art Unit	2823 2812
Examiner Name	Unknown
Attorney Docket Number	2769-4974 211S (00-0693 02/11S)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SOB		AL-SARAWI et al., AA review of 3-D packaging technology, @ Components, Packaging, and Manufacturing Technology, Part B: IEEE Transactions on Advanced Packaging, Vol 21, Issue 1, Feb. 1998, pp. 2-14.	
SOB		ANDROS et al., A TBGA Package Technology, @ Components, Packaging, and Manufacturing Technology, Part B: IEEE Transactions on Advanced Packaging, Vol. 17, Issue 4, Nov. 1994, pp. 564-568.	
SOB		CLOT et al., A Flip-Chip on Flex for 3D Packaging, @ 1999. 24th IEEE/CPMT, 18-19 Oct. 1999, pp. 36-41.	
SOB		FERRANDO et al., A Industrial approach of a flip-chip method using the stud-bumps with a non-conductive paste, @ Adhesive Joining and Coating Technology in Electronics Manufacturing, 2000. Proceedings, 4th International Conference on, 18-21, June 2000, pp. 205-211.	
SOB		GALLAGHER et al., A Fully Additive, Polymeric Process for the Fabrication and Assembly of Substrate and Component Level Packaging, @ The First IEEE International Symposium on Polymeric Electronics Packaging, 26-30, Oct. 1997, pp. 56-63.	
SOB		GEISSINGER et al., A Tape Based CSP Package Supports Fine Pitch Wirebonding, @ Electronics Manufacturing Technology Symposium, 2002, IEMT 2002, 27th Annual IEEE/SEMI International, 17-18 July 2002, pp. 41-452.	
SOB		HATANAKA, H., A Packaging processes using flip chip bonder and future directions of technology development, @ Electronics Packaging Technology Conference, 2002. 4th, 10-12, Dec. 2002, pp. 434-439.	
SOB		HAUG et al., A Low-Cost Direct Chip Attach: Comparison of SMD Compatible FC Soldering with Anisotropically Conductive Adhesive FC Bonding, @ IEEE Transactions on Electronics Packaging Manufacturing, Vol. 23, No. 1, Jan 2000, pp. 12-18.	
SOB		KLOESER et al., A Fine Pitch Stencil Printing of Sn/Pb and Lead Free Solders for Flip Chip Technology, @ IEEE Transactions of CPMT - Part C, vol. 21, No. 1, 1998, pp. 41-49.	
SOB		LEE et al., A Enhancement of Moisture Sensitivity Performance of a FBGA, @ Proceedings of International Symposium on Electronic Materials & Packaging, 2000, pp. 470-475.	
SOB		LI et al., A Stencil Printing Process Development for Flip Chip Interconnect, @ IEEE Transactions Part C: Electronics Packaging Manufacturing, Vol. 23, Issue 3, (July 2000), pp. 165-170.	

Examiner
Signature

K. B. H.

Date
Considered

2-1-06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	10/829,603
Filing Date	April 22, 2004
First Named Inventor	Teck Kheng Lee
Group Art Unit	2823-2312
Examiner Name	Unknown
Attorney Docket Number	2769-4974 211S (00-0693 02/11S)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SBG		LYONS et al., "A New Approach to Using Anisotropically Conductive Adhesives for Flip-Chip Assembly, Part A," <i>IEEE Transactions on Components, Packaging, and Manufacturing Technology</i> , Vol. 19, Issue 1, March 1996, pp. 5-11.	
SBG		TEO et al., "Enhancing Moisture Resistance of PBGA," <i>Electronic Components and Technology Conference</i> , 1998. 48 th IEEE, 25-28 May 1998, pp. 930-935.	
SBG		TEUTSCH et al., "Wafer Level CSP using Low Cost Electroless Redistribution Layer," <i>Electronic Components and Technology Conference</i> , 2000. 2000 Proceedings. 50 th , 21-24 May 2000, pp. Pages: 107-113.	
SBG		"The 2003 International Technology Roadmap for Semiconductor: Assembly and Packaging."	
SBG		TSUI et al., "Pad redistribution technology for flip chip applications," <i>Electronic Components and Technology Conference</i> , 1998. 48 th IEEE, 25-28 May 1998, pp. 1098-1102.	
SBG		XIAO et al., "Reliability study and failure analysis of fine pitch solder-bumped flip chip on low-cost flexible substrate without using stiffener," <i>IEEE, 2002. Proceedings 52nd</i> , 28-31 May 2002, pp. 112-118.	

Examiner
Signature

ASB. 14

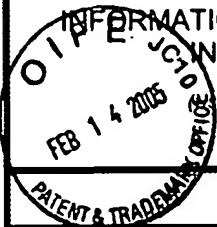
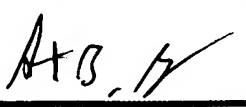
Date
Considered

2-1-06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number 10/829,603		
		Applicant Teck Kheng Lee				
		Filing Date April 22, 2004		Group Art Unit 2823-2812		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SB6	5,723,347	03/1998	Hirano et al.	—	—	
SB6	5,812,378	09/1998	Fjelstad et al.	—	—	
SB6	5,892,271	04/1999	Takeda et al.	—	—	
SB6	5,986,460	11/1999	Kawakami	—	—	
SB6	6,133,072	10/2000	Fjelstad	—	—	
SB6	6,208,525	03/2001	Imasu et al.	—	—	
SB6	6,271,469	08/2001	Ma et al.	—	—	
SB6	6,281,046	08/2001	Lam	—	—	
SB6	6,291,884 B1	09/2001	Glenn et al.	—	—	
SB6	6,376,769	04/2002	Chung	—	—	
SB6	6,404,648 B1	06/2002	Slupe et al.	—	—	
SB6	6,407,450	06/2002	Verma et al.	—	—	
SB6	6,452,807	09/2002	Barrett	—	—	
SB6	6,534,853	03/2003	Liu et al.	—	—	
SB6	6,552,910	04/2003	Moon et al.	—	—	
SB6	6,563,223	05/2003	Freeman	—	—	
SB6	6,600,222	07/2003	Levarado	—	—	
SB6	6,634,100 B2	10/2003	Akram et al.	—	—	
SB6	6,730,855	05/2004	Bando	—	—	
SB6	2001/0048157 A1	12/2001	Murtuza	—	—	
SB6	2001/053563 A1	12/2001	Kim et al.	—	—	
SB6	2003/0042595 A1	03/2003	Canella	—	—	
SB6	2004/0026773 A1	02/2004	Koon et al.	—	—	
SB6	2004/0212055 A1	10/2004	Exposito et al.	—	—	
SB6	2004/0217454 A1	11/2004	Brechienac et al.	—	—	
EXAMINER 			DATE CONSIDERED 2-1-06			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 2269-4974.2US (00-0693.02/US)		Application Number 10/829,603	
				Applicant Teck Kheng Lee			
				Filing Date April 22, 2004		Group Art Unit 2023 2812	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/						

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SB6	JP 04030456	02/1992	Yamaguchi	—	—	X	
SB6	EP 0475022 A1	03/1992	Grube et al.	—	—	X	
SB6	EP 0997942 A2	05/2000	Horiuchi et al.	—	—	X	
SB6	JP 02000230964	08/2000	Hikita	—	—	X	
SB6	JP 2001077294	03/2001	Hashimoto	—	—	X	

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
SB6		Australian Search Report dated 11 Aug 2004 (3 pages).
SB6		Australian Search Report dated 16 Aug 2004 (4 pages).
SB6		Australian Search Report dated 08 Nov 2004 (5 pages).

EXAMINER <div style="text-align: center; font-size: 1.5em;">A.B.B.</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em;">2-1-06</div>
---	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to the applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/829,603
				Filing Date	April 22, 2004
				First Named Inventor	Teck Kheng Lee
				Group Art Unit	2823 2812
				Examiner Name	Unknown
				Attorney Docket Number	2269-4974.2US (00-0693.02/US)
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SBF		US-4,954,875	09/04/1990	Clements	
SBF		US- 5,608,265	03/04/1997	Kitano et al.	
SBF		US- 5,844,315	12/01/1998	Melton et al.	
SBF		US- 6,037,665	03/14/2000	Miyazaki	
SBF		US- 6,180,881 B1	01/30/2001	Isaak	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	2-1-06
-----------------------	--	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number

10/829,603

Filing Date

April 22, 2004

First Named Inventor

Teck Kheng Lee

Group Art Unit

~~2823~~ 2812

Examiner Name

Unknown

Attorney Docket Number

2269-4974.2US (00-0693.02/US)

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

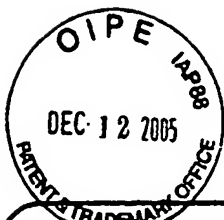
Date Considered

2-1-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/829,603
		Filing Date	April 22, 2004
		First Named Inventor	Teck Kheng Lee
		Group Art Unit	2823 2812
		Examiner Name	Unknown
Sheet 1 of 1		Attorney Docket Number	2269-4974.2US (00-0693.02/US)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
536 586		US-5,768,109	06/1998	Gulick et al.	
		US- 6,285,081	09/2001	Jackson	
		US- 2002/0127769 A1	09/2002	Ma et al.	
		US- 2003/0012930 A1	01/2003	Brousseau	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
536 586						

Examiner Signature		Date Considered	2-1-06
-----------------------	--	--------------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.